

characteristics are obtained over the whole fluorescent screen.

BRIEF DESCRIPTION OF THE DRAWINGS

Figs. 1A and 1B are diagrams illustrating an embodiment 5 of an electron gun used for a color cathode ray tube of the present invention with Fig. 1C illustrating another embodiment;

Figs. 2A and 2B are diagrams illustrating the 10 constitution of a second division electrode constituting a focusing electrode;

Fig. 3 is a graph illustrating the relationship of the change in the equivalent diameter of a main lens with the length of the second division electrode, the relationship of the change in the beam spot diameter with the length, and the 15 relationship of the change in the beam spot diameter when the speed is modulated with the length;

Fig. 4 is a sectional view schematically illustrating the 20 constitution of the color cathode ray tube of the speed modulation type;

Figs. 5A and 5B are diagrams illustrating the 25 constitution of a conventional electron gun used for the color cathode ray tube shown in Fig. 4; and

Figs. 6A and 6B are diagrams illustrating the 20 constitution of a second division electrode constituting a focusing electrode of Fig. 5A.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

An embodiment of the present invention will now be